

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

Claim 1 (canceled).

2. (currently amended) A facility management system comprising:

flow line-measuring means for measuring a flow line of a moving body such as a person or a material by detecting said moving body in a facility to be monitored and outputting flow line information based on said measuring of said flow line; and

management information generating means for producing management information for management from said flow line information,

wherein said management information generating means comprises:

moving means identifying means for identifying ~~one~~each of a plurality of moving means such as an elevator, an escalator or walking for moving said moving body from one location to another location, and

movement cost-calculating means for calculating a cost expended on movement of said moving body from one location to another location by the identified moving means based on the flow line information, so that said management information generating means further produce management information for management based on said calculated cost.

wherein the flow line includes a plurality of sections corresponding to each of the plurality of moving means and said movement cost-calculating means calculates for ~~each of the~~ plurality of sections a total sum of values as said movement cost, each of said values being calculated by multiplying a

~~time unit price specific to one of said plurality of identified~~ moving means for moving ~~said identified moving body from one location to another location by a~~ time period required for said movement in the corresponding section,

wherein the time unit price is a value corresponding to the cost of moving the moving body per unit of time by the identified moving means and the time period is the length of time it takes to move the moving body along the length of said flow line in the section corresponding to the identified moving means, and-

Wherein the time unit price is provided for each of said moving means based on a difference of a running cost or a maintenance cost of said moving means.

3. (currently amended) A facility management system comprising:

flow line-measuring means for measuring a flow line of a moving body such as a person or a material by detecting said moving body in a facility to be monitored and outputting flow line information based on said measuring of said flow line; and

management information generating means for producing management information for management from said flow line information,

wherein said management information generating means comprises:

moving means identifying means for identifying ~~one each~~ of a plurality of moving means such as an elevator, an escalator or walking for moving said moving body from one location to another location, and

movement cost-calculating means for calculating a cost expended on movement of said moving body from one location to another location by the

identified moving means based on said flow line information, so that said management information generating means further produce said management information for management based on said calculated cost.

wherein the flow line includes a plurality of sections corresponding to each of the plurality of moving means and said movement cost-calculating means calculates for each of the plurality of sections a total sum of values as said movement cost, each of said values being calculated by multiplying a distance unit price specific to said identified moving means by a moving distance. In the section corresponding to the identified moving means, and wherein the distance unit price is provided for each of said moving means based on a difference of a tunneling cost or a maintenance cost of said moving means.

4. (currently amended) A facility management system according to ~~claim 2~~claims 2 or 3, wherein said management information generating means comprises movement cost-evaluating means for judging whether a cost calculated by said movement cost-calculating means is within a permissible range and an alarm outputting means for generating an alarm when said movement cost-evaluating means judges that the cost calculated by said movement cost-calculating means is outside of the permissible range.

5. (currently amended) A facility management system according to ~~claim 4~~claims 2 or 3, wherein said management information generating means comprises:

facility layout-optimizing means for optimizing a layout of said facility so as to minimize said movement cost.

6. (currently amended) A facility management system according to claim 2 claims 2 or 3, wherein said flow line-measuring means installed in said facility to be monitored and said management information generating means installed in a monitoring center are connected to each other through a communication network.

Claims 7-15 (canceled).

16. (new) A facility management system according to claim 4, wherein said management information generating means comprises:
facility layout-optimizing means for optimizing a layout of said facility so as to minimize said movement cost.

17. (new) A facility management system according to claim 4, wherein said flow line-measuring means installed in said facility to be monitored and said management information generating means installed in a monitoring center are connected to each other through a communication network.

18. (new) A facility management system according to claim 5, wherein said flow line-measuring means installed in said facility to be monitored and said management information generating means installed in a monitoring center are connected to each other through a communication network.